

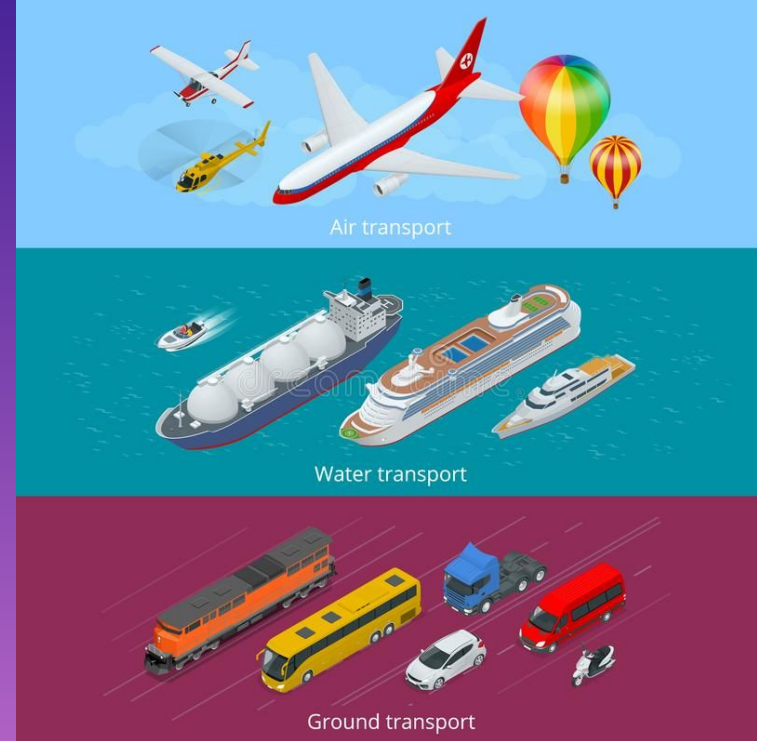
Institute of Transportation Engineers

A Beginner's Guide
By Sophia Tan



What is Transportation Engineering?

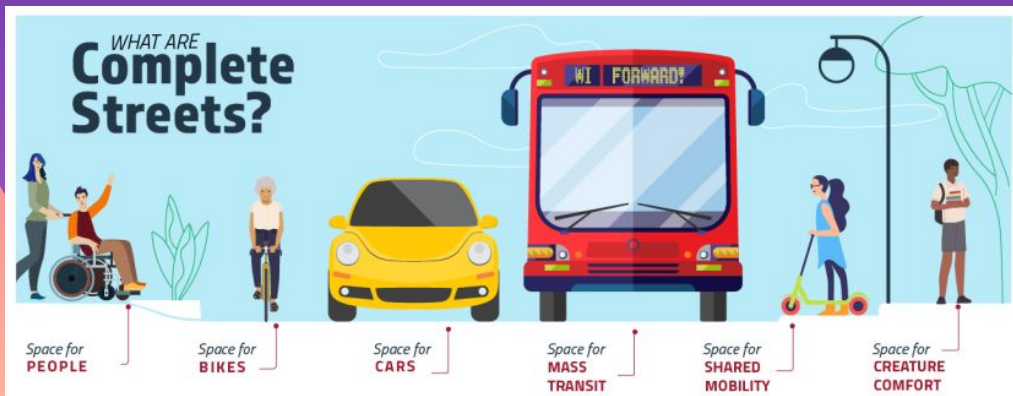
Transportation Engineering is a sub-discipline of Civil Engineering that concerns itself with finding the most efficient means of **transporting people, goods, and services in a quick, efficient, reliable, and environmentally-friendly manner.**



What do Transportation Engineers Do?

01

LA Vision Zero LA Complete Streets Roadways/Highways & Planning



What do Transportation Engineers Do?

02

Metro Purple Line Extension Transit/Rail



Metro Purple (D Line) Extension Transit Project



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• What do Transportation Engineers Do?

03

Long Beach Container Terminal Ports

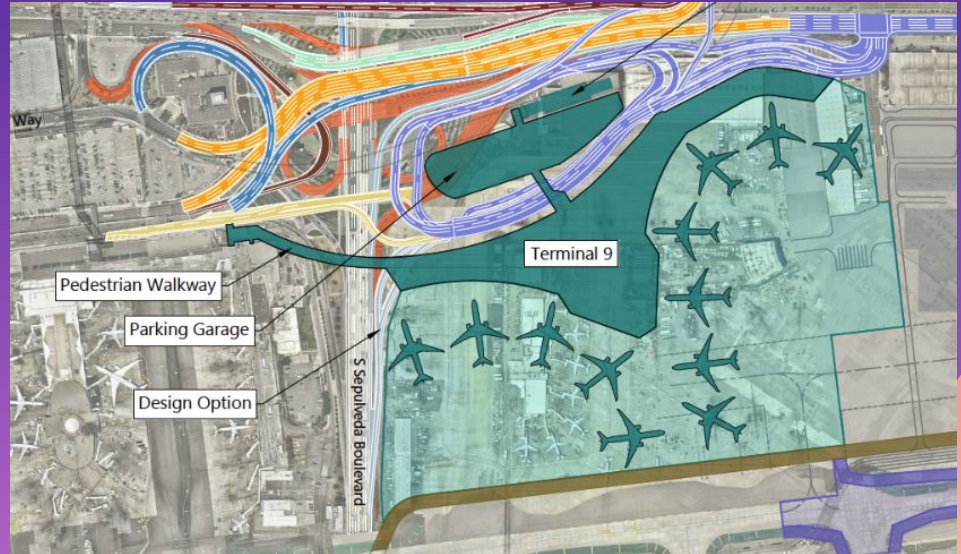


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What do Transportation Engineers Do?

04

LAX Concourse 0 & Terminal 9 Aviation



CEE Transportation Classes

- Fall 2021:
 - CEE 181 - Traffic Engineering Systems: Operations and Controls
- Winter 2022:
 - CEE 185 - Transportation Systems Analysis
- Spring 2022:
 - CEE 180 - Introduction to Transportation Engineering
 - CEE186 - Intelligent Transportation Systems (NEW!)

You can take these electives in any order and there are no prerequisites!

Urban Planning Transportation Classes

- UP 250: Transportation and Land Use: Urban Form
- UP 251: Transportation and Land Use: Parking
- UP 253: Travel Behavior Analysis
- UP 254: Bicycle and Pedestrian Planning
- UP 255: Shared Mobility Policy and Planning
- UP 256: Transportation Economics, Finance, and Policy
- UP 258: Transportation and Environmental Issues

You can petition (or ask for a PTE) to take these courses!

What is ITE?

- A Community of Transportation Professionals
- Academia to Industry
- Endless Networking and Learning Opportunities
- Direct Technical Experience
- Memories and Friends!

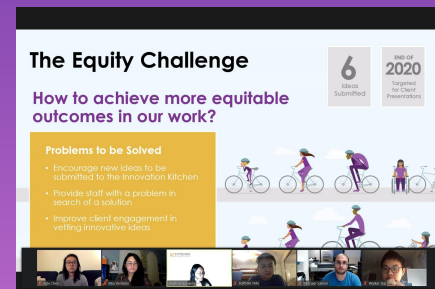


Information Sessions

- Hear about companies and what they do!
- Food + exposure to transportation engineering professionals and their work + information about internships!

Fall Info Sessions from 6-8 pm

- In-person - Boelter 4275
 - Stacy and Witbeck - Tuesday, Week 4
- Virtual
 - Kimley-Horn - Tuesday, Week 5
 - LADOT - Tuesday, Week 8



Career Fairs



Tuesday, November 2,
10 am to 2 pm!

on



Gatherly

Network with
professionals and learn
about opportunities!

Field Trips

See the work of transportation engineers in action!

- Santa Monica Bike Infrastructure
- Pasadena Traffic Management Center
- Los Angeles Airport Bus Tour
- LA Metro Expresslanes
- Office Visit Marathon



Technical Projects

- ASCE Transportation Design Project
- ITE Stem Outreach Project

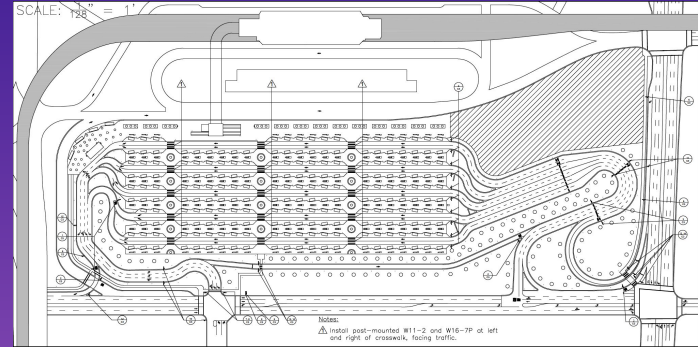
Workdays: Thursdays from 11-12 in YRL Pod 4

Week 3: AutoCAD Workshop

Week 4: C&EE 1 Workshop with 3 mini-workshops:

- Pavement Distress
- Traffic Counts
- Lane Measurements

No experience needed!



Join the FB Group for the latest updates!



Student Leadership Summit

- Student Leadership Summit (SLS)
 - 2020 - UCLA and USC
 - 2021 - Cal Poly SLO (Online)
 - 2022 - SJSU (Online)
- Build Lasting Connections with Students of Other Chapters
- Listen in on technical sessions from industry professionals
- Networking Opportunity!



Western District Annual Meeting

Western District Annual Meeting

- 2019 - Monterey, CA
- 2020 & 2021 - Zoom
- 2022 - Palm Springs!
- 4 days of transportation nerdiness
- Technical presentations by working professionals
- Network and travel
- Career opportunities!



Socials

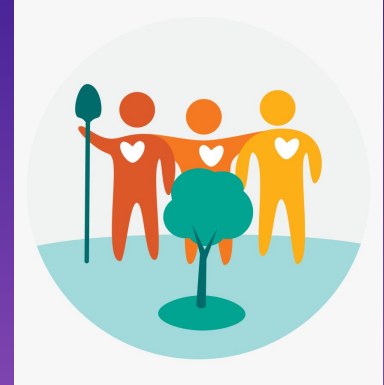
- Cal Geo x ITE Bonfire Vol. IV
 - October 30th from 3:30 - 9:30 pm
 - Dockweiler Beach
 - Rides will be provided!
- Other Socials we've done in the past:
 - First Fridays at Venice
 - Bowling
 - Hiking
 - Trivia Night
 - Any social ideas you want to do?
Let us know!



Community Service

- Give back to the community!
- First in-person community service event
 - Saturday November 13th!

Mark your calendars for this spectacular service event!



Membership

Sign up to be a UCLA ITE member! Club dues are \$15

<https://forms.gle/HkdVmmWFmzVJuGdV6>



Sign up for International ITE! Membership is FREE!

https://ecommerce.ite.org/IMIS/iCommerce/Join_ITE_Today_/Student_Membership_Offer/iCommerce/Join/Student_Join.aspx



Want to get to know our officer board and ITE more?

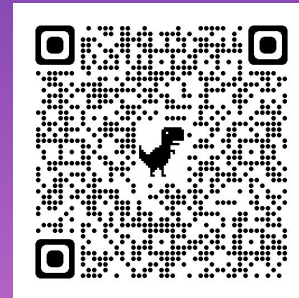
Join our internship program! Learn what goes on behind the scenes for all our events. We welcome any member regardless of your year or major. You'll work under one of our officers throughout the year and they'll help guide you along the way.

Deadline to Apply: Friday October 15, 11:59 pm

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Apply Here!

<https://forms.gle/HUM1oi3b5qTA7WUZA>



Stay Connected!

- Sign up for our weekly emailing list!
 - www.tinyurl.com/iteuclamailing



- Add our events to your calendar! || www.iteucla.square.site/calendar
- Like our FB page! ---->
<https://www.facebook.com/iteatucla>
- Join our FB group ----> UCLA ITE
- Follow our instagram! ----->@ite_ucla





Reach out with any questions!

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President

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Feel free to email or message me!